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INTERNATIONAL SEARCH REPORT

Internat. application No
PCT/GB 03/02962

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G01N21/65 G01N21/55		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 G01N G01J B01J		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) BIOSIS, EP0-Internal, COMPENDEX, INSPEC, PAJ, WPI Data		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 88 06726 A (SCIENT GENERICS LTD) 7 September 1988 (1988-09-07) page 2, line 5 - line 25 page 4, line 18 - line 21 page 5, line 18 - line 33 page 6, line 7 - line 14 page 7, line 7 - line 13 figure 2A --- -/-	20, 31
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C.		
<input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art *&* document member of the same patent family		
Date of the actual completion of the international search 14 November 2003		Date of mailing of the international search report 26/11/2003
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel (+31-70) 340-2040, Tx. 31 651 epo nl, Fax (+31-70) 340-3016		Authorized officer Verdooldt, E

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>ORLOV S N ET AL: "RAMAN SCATTERING OF LIGHT BY SURFACE POLARITONS COHERENTLY EXCITED ON A RIPPLED BEO CRYSTAL" JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS, AMERICAN INSTITUTE OF PHYSICS, WOODBURY, US, vol. 77, no. 6, 1 December 1993 (1993-12-01), pages 1006-1013, XP000433637 ISSN: 1063-7761 figure 3 page 1009, left-hand column, line 1 -right-hand column, line 7 page 1011, right-hand column, line 10 - line 15</p>	1,32,33
A	<p>P.I.NIKITIN: "Silicon-based surface plasmon resonance combined with surface-enhanced Raman scattering for chemical sensing" REVIEW OF SCIENTIFIC INSTRUMENTS, vol. 68, no. 6, June 1997 (1997-06), pages 2554-2557, XP002260565 figure 1</p>	1,13-19, 32,33
A	<p>C.L.HAYNES, R.P.VAN DUYN: "Plasmon scanned surface-enhanced raman scattering excitation profiles" MAT. RES. SOC. SYMP. PROC, vol. 728, 2 - 5 April 2002, pages S10.7.1-S10.7.6, XP002260753 San Francisco, USA page S10.7.3, line 11 - line 19 page S10.7.4, line 5 - line 14 page S10.7.4, line 23 - line 25 figures 1,3</p>	1-4, 15-17, 20,23, 32,33
A	<p>BYAHUT S ET AL: "A DEVICE FOR PERFORMING SURFACE-PLASMON-POLARITON-ASSISTED RAMAN SCATTERING FROM ADSORBATES ON SINGLE-CRYSTAL SILVER SURFACES" REVIEW OF SCIENTIFIC INSTRUMENTS, AMERICAN INSTITUTE OF PHYSICS. NEW YORK, US, vol. 61, no. 1, PART 1, 1990, pages 27-32, XP000101205 ISSN: 0034-6748 page 27, right-hand column, paragraph 1 figure 1 page 28, line 5 - line 7</p>	1,32,33

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 Internat. application No
 PCT/GB 03/02962

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	BRIOUDE A ET AL: "RAMAN SPECTROSCOPY OF SOL-GEL ULTRATHIN FILMS ENHANCED BY SURFACE PLASMON POLARITONS" JOURNAL OF APPLIED PHYSICS, AMERICAN INSTITUTE OF PHYSICS. NEW YORK, US, vol. 88, no. 11, 1 December 2000 (2000-12-01), pages 6187-6191, XP001048982 ISSN: 0021-8979 figures 3,4	1,32,33
X	US 2001/053521 A1 (KREIMER DAVID I ET AL) 20 December 2001 (2001-12-20)	20-23
Y	paragraph '0096!	26-31
A	paragraph '0108! - paragraph '0109! paragraph '0166! - paragraph '0169!	1-4,32,33
X	US 5 266 498 A (TARCHA PETER J ET AL) 30 November 1993 (1993-11-30) column 6, line 5 - line 14	20,24,25
A	column 4, line 56 -column 5, line 16 column 7, line 21 -column 8, line 55 column 9, line 42 - line 47 column 11, line 47 - line 58	5,6
Y	US 6 197 503 B1 (VO-DINH TUAN ET AL) 6 March 2001 (2001-03-06)	26-28
A	column 21, line 46 -column 22, line 18	7-9
Y	WO 95 22754 A (VALTION TEKNILLINEN ;LEKKALA JUKKA (FI); SADOWSKI JANUSZ (FI); JOK) 24 August 1995 (1995-08-24)	29-31
A	the whole document	10-12
X	DE 40 04 088 A (BASF AG) 14 August 1991 (1991-08-14) the whole document	20,31
A	WO 01 35081 A (NATAN MICHAEL J ;PENN STATE RES FOUND (US)) 17 May 2001 (2001-05-17) the whole document	10-12,29-31
P,X	WO 03 027619 A (ARRAY BIOSCIENCE CORP) 3 April 2003 (2003-04-03) the whole document	20,31
A	J.GIERGIEL ET AL: "Surface plasmon polariton enhancement of raman scattering in Kretschmann geometry" JOURNAL OF PHYSICAL CHEMISTRY, vol. 92, 1988, pages 5357-5365, XP002260566 the whole document	1,32,33

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/GB 03/02962

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 8806726 A	07-09-1988	AU 1343488 A	26-09-1988
		AU 1349388 A	26-09-1988
		EP 0305428 A1	08-03-1989
		EP 0305429 A1	08-03-1989
		WO 8806726 A1	07-09-1988
		WO 8806725 A1	07-09-1988
US 2001053521 A1	20-12-2001	WO 02077647 A1	03-10-2002
		US 2003180720 A1	25-09-2003
		US 2002132371 A1	19-09-2002
		AU 7616100 A	30-04-2001
		AU 7714800 A	30-04-2001
		AU 7716500 A	30-04-2001
		EP 1221047 A1	10-07-2002
		EP 1222432 A1	17-07-2002
		EP 1242510 A1	25-09-2002
		JP 2003510065 T	18-03-2003
		JP 2003510552 T	18-03-2003
		JP 2003510607 T	18-03-2003
		TW 445362 B	11-07-2001
		WO 0123822 A1	05-04-2001
		WO 0123459 A1	05-04-2001
		WO 0123888 A1	05-04-2001
US 5266498 A	30-11-1993	US 5445972 A	29-08-1995
		US 5567628 A	22-10-1996
		US 5376556 A	27-12-1994
US 6197503 B1	06-03-2001	AT 234367 T	15-03-2003
		AU 1609399 A	15-06-1999
		CA 2311466 A1	03-06-1999
		DE 69812158 D1	17-04-2003
		EP 1236807 A2	04-09-2002
		EP 1034305 A1	13-09-2000
		WO 9927140 A1	03-06-1999
		US 2003059820 A1	27-03-2003
		US 6448064 B1	10-09-2002
WO 9522754 A	24-08-1995	FI 940737 A	17-08-1995
		WO 9522754 A1	24-08-1995
DE 4004088 A	14-08-1991	DE 4004088 A1	14-08-1991
		AU 636005 B2	08-04-1993
		AU 7084991 A	15-08-1991
		CA 2035686 A1	11-08-1991
		EP 0445520 A1	11-09-1991
		FI 910568 A	11-08-1991
		JP 5060692 A	12-03-1993
		US 5116121 A	26-05-1992
WO 0135081 A	17-05-2001	US 6579726 B1	17-06-2003
		AU 3081301 A	06-06-2001
		CA 2391009 A1	17-05-2001
		EP 1236034 A1	04-09-2002
		JP 2003514224 T	15-04-2003
		WO 0135081 A1	17-05-2001
		US 6579721 B1	17-06-2003

INTERNATIONAL SEARCH REPORT
information on patent family members

Interna Application No
PCT/GB 03/02962

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 03027619	A	03-04-2003	US	2003073139 A1	17-04-2003
			WO	03027619 A2	03-04-2003